## **CLAIMS**

Now, therefore, the following is claimed:



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involuntary.

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1. A system for controlling electronic devices based on physiological responses, comprising:

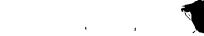
a sensor positioned adjacent to an eye of a user, said sensor configured to detect a physiological response of said user and to transmit, in response to a detection of said physiological response, a signal indicative of said physiological response; and a controller configured to receive said signal and to control an electronic device based on said signal.

- 2. The system of claim 1, wherein said controller is configured to
  determine a value indicative of an excitement level of said user based on said signal
  and to control said electronic device based on said value.
- The system of claim 1 wherein said physiological response is a blink
  of an eyelid of said user.
- 1 4. The system of claim 1, wherein said physiological response is
- 5. The system of claim 4, wherein said physiological response is indicative of an excitement level of said user.

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- 1 6. The system of claim 1, further comprising a contact lens coupled to
- 2 said sensor.
  - 7. The system of claim 1, wherein said electronic device is a camera.

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8. The system of claim 1, further comprising an antenna coupled to said contact lens.

- 9. The system of claim 8, wherein said sensor is configured to transmit said signal to said controller via said antenna.
- 10. The system of claim 1, wherein said sensor comprises a switch that is positioned within a path of movement of an eyelid of said user, said switch activated when said user blinks said eyelid.
- The system of claim 10, wherein said switch is coupled to said
- 2 electronic device.

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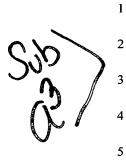
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- The method of claim 15, further comprising the step of counting, via 17. 1
- said sensor, a number of eye blinks performed by said user within a specified time 2
- period, wherein said controlling step is based on said counting step. 3
- 18. The method of claim 15, further comprising the steps of: 1
- determining a value indicative of an excitement level of said user based on 2
- 3 said based on said detecting step,
- wherein said controlling step is based on said value determined in said 4
- determining step. 5

- The method of claim 16, wherein said electronic device is a camera.
- A system, comprising: 20.
- a camera;
- a sensor configured to detect a physiological response of a user; and
- a controller configured to cause said camera to capture an image based on a
- detection of said physiological response by said sensor. 5
- The system of claim 20, wherein said physiological response is 21. 1
- involuntary. 2
  - The system of claim 20, wherein said controller is further configured to 22.
- determine a value indigative of an excitement level of said user based on said 2
- detection and to cause said camera to capture said image based on said value. 3



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12. A system for controlling electronic devices based on physiological responses, comprising:

a contact lens;

a sensor coupled to said contact lens, said sensor configured to detect a physiological response of said user and to transmit, in response to a detection of said physiological response, a signal indicative of said physiological response; and a controller configured to receive said signal and to control an electronic device based on said signal.

- 13. The system of claim 12, wherein said electronic device is a camera.
- 14. The system of claim 12, wherein said sensor comprises a switch that is positioned within a path of movement of an eyelid of said user, said switch activated when said user blinks said eyelid.
- 15. A method for controlling electronic devices based on physiological responses, comprising the steps of
- positioning a sensor adjacent to an eye of a user;
- detecting, via said sensor, a physiological response of said user; and
  automatically controlling an electronic device based on said detecting step.
  - 16. The method of daim 15, wherein said sensor is coupled to a contact

2 lens.

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The system of claim 20, further comprising a contact lens coupled to 23. 1 said sensor. 2 The system of claim 20, wherein said physiological response is a blink 24. 1 of an eyelid of said user. 2 A method, comprising the steps of: 1 25. providing a camera; 2 detecting a physiological respønse of a user of said camera; and 3 automatically causing said camera to capture an image based on said detecting 4 5 step. The method of class 25, wherein said physiological response is 26. 1 involuntary. 2 The method of claim 26, further comprising the step of determining, 27. 1 based on said detecting step, & value indicative of an excitement level of said user, 2 wherein said causing step is performed based on said value. 3 The method of claim 25, wherein said detecting step is performed by a 28. 1 sensor coupled to a contact lens. 2 The method of claim 25, wherein said physiological response is a blink 29. 1

of an eyelid of said user.

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